

MR-1000RII

(10-inch CRT, Radome Scanner)

MR-1000TII

(10-inch CRT, Open Array Scanner)



● 10-inch Display Unit

New Simplified Automatic Tracking Aid Function Provides Reliable Collision Avoidance

- Powerful 4kW output power
- Two types of scanner units available

MR-1000TII :
120cm open
array scanner
observes up to
48nm



● Open Array Scanner for MR-1000TII

MR-1000RII :
60cm radome
scanner
observes up to
36nm



● Radome Scanner for MR-1000RII

- 8-level bright picture on 10-inch monochrome green CRT
- Simplified Automatic Tracking Aid function
See overleaf for details.
- External GPS and Compass data input with NMEA0183, N+1, AUX format
- English and Korean indication
- North-up, Course-up, Head-up & True-motion

Bearing, speed and position data required. Depends on display mode.

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OTHER FEATURES

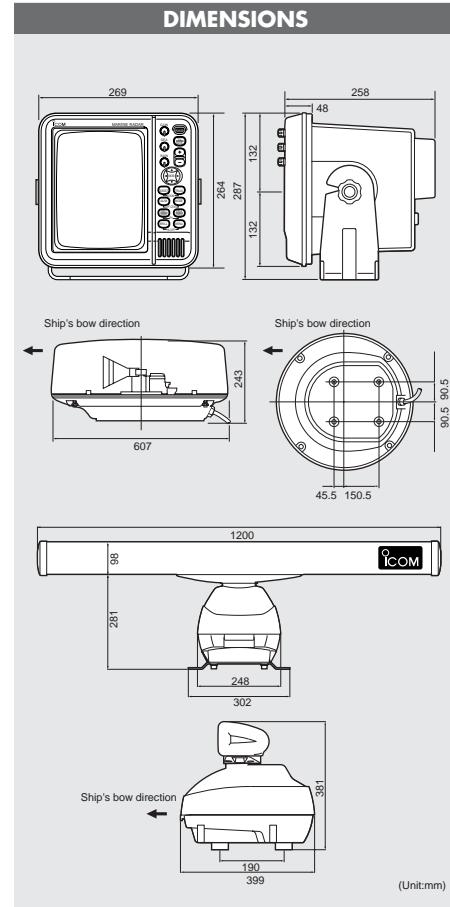
- The MR-1000RII/TII provides many useful features : 2 EBL's, 2 VRM's, SEA clutter, RAIN clutter, Off center, Interference reduction, Echo stretch, Zoom, Trail, long pulse and automatic calibration function.
- When connected to the GPS and/or compass, the MR-1000RII/TII displays the following information: Course-up, North-up, True motion indication, own and other vessel's speed, position and course, waypoint and man overboard point.

- Simplified Automatic Tracking Aid allows you to plot up to 10 targets and the radar automatically traces the targets.
- The CPA (Closest Point Approach) and TCPA (Time to CPA) alarm gives an audible warning when the tracking targets come within the set range or time.
- Power saver function pauses the scanning for a preset time and conserves battery consumption. When used with the zone alarm function, the CRT display is turned off until an object enters the programmed alarm zone.

SPECIFICATIONS

DISPLAY UNIT	
• Display type	: 10" monochrome CRT
• Resolution	: 640x480 dots
• Minimum range	: 25m (1/8 NM range)
• Maximum range	: MR-1000RII 36NM MR-1000TII 48NM
• Measurement range	: 1/8, 1/4, 1/2, 3/4, 1, 1.5, 2, 3, 4, 6, 8, 12, 16, 24, 32, 36, 48* (unit:NM) (*MR-1000TII only)
• Preheat time	: 90sec.
• Power supply	: 10.2-42V DC
• Power consumption : MR-1000RII 60W (approx.) MR-1000TII 70W (approx.)	
• Operating temp. range : -15°C to +55°C	
• Unit of distance : NM (nautical mile), km	
• Dimensions : 269(W)x264(H)x258(D) mm (projections not included)	
• Weight (approx.) : 6.5kg	
• Input data format : NMEA 0183, N+1, AUX	
• Output data format : NMEA 0183	
SCANNER UNIT	
• Model Name	: MR-1000RII
• Type	: 60cm slotted waveguide array in radome
• Rotation speed	: 24, 36, 48rpm typ.
• Beamwidth	Horizontal beam : 4° typ. Vertical beam : 22° typ.
• Sidelobe	: -18dB typ.
• Polarization	: Horizontal
• Dimensions (projections not included)	: 607(D)x243(H) mm
• Weight (approx.)	: 8kg
• Operating temperature range	: -25°C to +70°C
• Frequency	: 9410MHz ±30MHz
• Peak output power	: 4kW
• Pulse-width/Reception rate	: 80nsec./2880Hz, 80nsec./2160Hz, 250nsec./2160Hz, 350nsec./2160Hz, 900nsec./720Hz FET switching
• Modulator	: Microwave integrated circuit
• Mixer and local oscillator	: 60MHz
• Intermediate frequency	: 10MHz, 3MHz
• IF passband width	: Auto or manual
• Tuning	: 20m (65.6ft); OPC-1189
• System cable	: 15m (49.2ft); OPC-1188 (Peeled for connection with MR-1000TII.)
MR-1000TII 120cm slotted waveguide array	
24, 36, 48rpm typ. 2° typ. 25° typ. -24dB typ. Horizontal 1205(D)x381(H) mm (Diameter of rotation/height)	
17kg -25°C to +70°C 9410MHz ±30MHz 4kW	
80nsec./2880Hz, 80nsec./2160Hz, 250nsec./2160Hz, 350nsec./2160Hz, 900nsec./720Hz FET switching	
Microwave integrated circuit 60MHz	
10MHz, 3MHz	
Auto or manual	
20m (65.6ft); OPC-1189	
(Peeled for connection with MR-1000TII.)	

All stated specifications are subject to change without notice or obligation.



OPTIONS

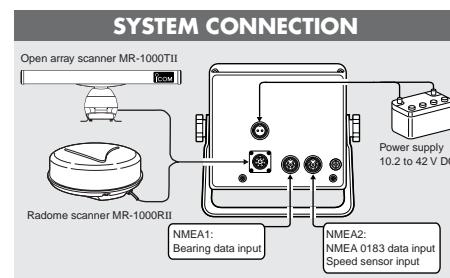


OPC-1077 SYSTEM CABLE

Allows you 20m (65.6ft) separate installation between the display unit and the scanner unit.

OPC-1078 SYSTEM CABLE

Allows you 30m (98.4ft) separate installation between the display unit and the scanner unit.



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Your local distributor/dealer:



Icom Inc. (Japan), is an ISO 14001 certification acquired company.